

ZAU-GPS5G-5

All-in-one 'Shark-fin' low profile antenna 5G, L1 GPS and WiFi/WLAN



The ZAU-GPS5G-5, our 5G cellular, L1 GPS and WiFi 'shark-fin' antenna is perfect for A.V.L. tracking, L1 GPS navigation, and telemetry applications, all within a low profile, fully waterproof 'shark-fin'-style design.

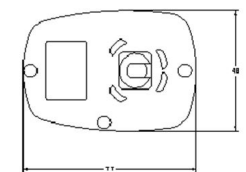
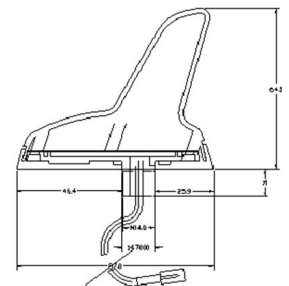
Adaptors, patch leads and other installation accessories are all available separately.



	Mobile phone	L1 GPS/GLONASS	WiFi/WLAN
Construction	Black moulded radome, zinc alloy base, external cable assemblies, <u>no terminations</u>		
Frequency range	698-960 / 1710-2170 / 2300-2700 MHz 4G LTE and dualband 4G 3.4-3.6 GHz - 5G	L1 GPS: 1575.42 MHz	2400/5200 MHz
Bandwidth	Full frequency ranges stated	±5 MHz	Full frequency range
Gain - typical	1.5 dBi @ 698-960 MHz 3.0dBi @ 1710-2170 MHz 3.0 dBi @ 2300-3500 MHz	Peak gain: 3 dBi - with 7cm x 7cm ground plane	2.15 dBi
Gain coverage	-	>-4 dBi at -90° <0 <+90° over 75% volume	-
Polarisation	Linear	Right-hand circular	Vertical
VSWR	2.5:1	≤1.5:1	
Impedance	50 Ohms		
LNA gain - typical	28 dBi - without cable		
LNA noise figure	1.5 dB		
Filter out band attenuation f0=1575.42 MHz	7dB min. f0 +/- 20 MHz ; 20dB min. f0 +/- 50 MHz ; 30dB min. f0 +/- 100 MHz		
DC Voltage	2.7-5.0 Volts		
DC current	11mA maximum		
Cable	RG174 x 2m/3m or 5m - Mobile phone, GPS and WiFi - specify requirements per		
Connectors	SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX/QMA - specify requirements for each cable		
Working temperature	-40°C to +85°C		
Storage temperature	-45°C to +100°C		
Humidity	95-100% relative humidity		
Vibration	Sine sweep 1g(0-p) 10~50~10Hz each axis		
Dimensions	Height: 84mm, Width: 53.8mm, Length: 62mm		
Overall weight	240grams		
Mounting	We recommend for greater than 1mm thickness mounting material remove spacer washer from base and run all cables through nut supplied.		



For mounting material thicker than 1mm ZCG recommend removing spacer washer and inserting cables through nut.

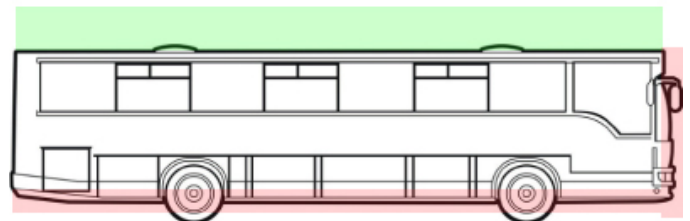
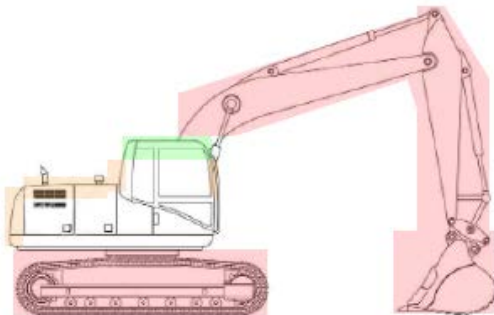
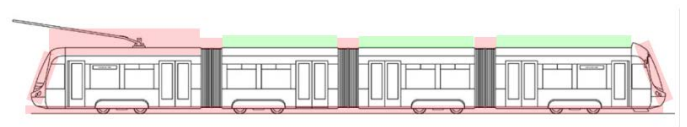
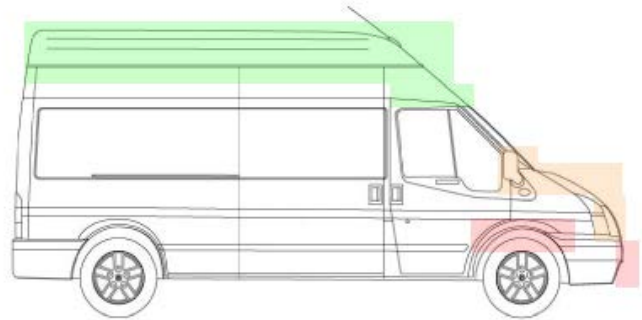
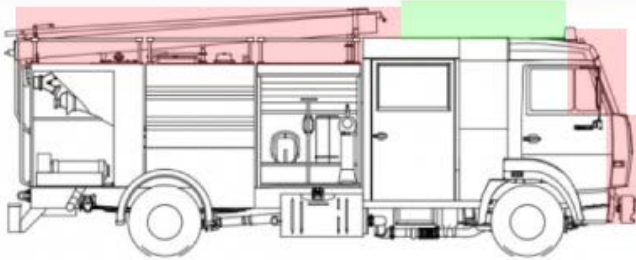
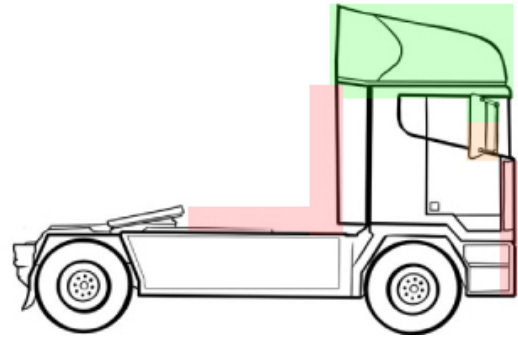
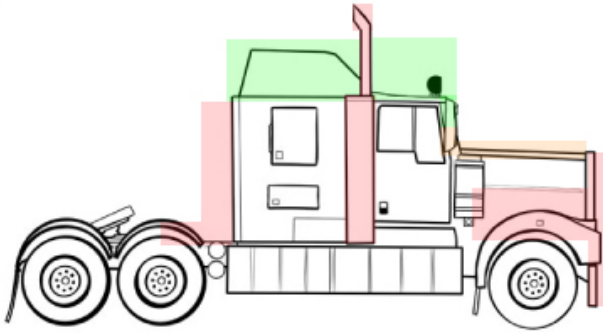


ZAU-GPS5G-5

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Vehicle Mounting locations



- Best/Recommended location for mounting
- Suitable mounting locations
- Not suitable mounting locations